

Converting Colors

$Y_{xy}(22.9360, 0.3671, 0.4616)$

Have a look what the booklet for
Yxy(22.9360, 0.3671, 0.4616)
contains.

Yxy(22.9845, 0.3666, 0.4627)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9845, 0.3666, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	7A8B41
RGB	122, 139, 65
RGB Percent	48%, 55%, 25%
CMY	0.5217, 0.4549, 0.7450
CMYK	0.12, 0.00, 0.53, 0.45
HSL	74°, 36%, 40%
HSV	74°, 53%, 55%
XYZ	18.2108, 22.9845, 8.4795
YIQ	125.4810, 13.6220, -26.6180

Conversions

Conversions Part 2

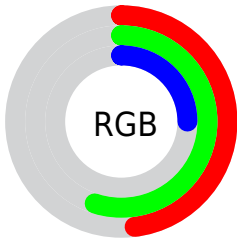
Format	Color
RYB	65, 139, 82
Decimal	8031041
CIELab	55.06, -18.03, 37.10
CIElCh	55, 41.251, 115.916
Yxy	22.9845, 0.3666, 0.4627
Android (android.graphics.Color)	4286221121 (0xFF7A8B41)
YUV	125.4810, -29.8171, -3.0528
Hunter-Lab	47.9422, -16.0958, 23.0729

Details

The Yxy color $22.9845, 0.3666, 0.4627$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $7.4424, 0.2344, 0.1738$, and the grayscale version is $20.7780, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1672, 0.3576, 0.4323$, and $8.5218, 0.3776, 0.5136$ is the 20% darker color. If you saturate the color by 10%, you get $22.6140, 0.3735, 0.4851$, and if you desaturate by 10%, it is $23.4044, 0.3580, 0.4381$.

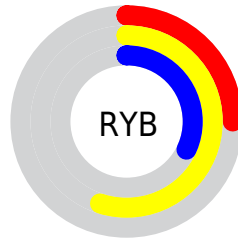
Distribution



Red (48%)

Green (55%)

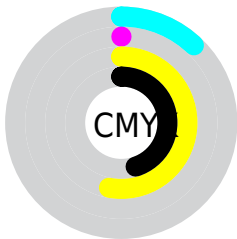
Blue (25%)



Red (25%)

Yellow (55%)

Blue (32%)

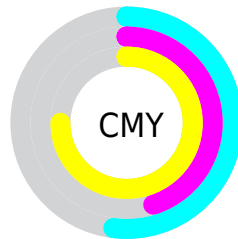


Cyan (12%)

Magenta (0%)

Yellow (53%)

Black (45%)



Cyan (52%)


Magenta (45%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9845, 0.3666, 0.4627 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.9845, 0.3666, 0.4627 by changing the saturation by 10% instead.


 22.9845, 0.3666,
0.4627


 22.9845, 0.3666,
0.4627


267.6454, 0.3396,
0.3866


 14.5821, 0.3722,
0.4845


 48.3679, 0.3573,
0.4328


 8.5266, 0.3779,
0.5138

 66.1176, 0.3536,
0.4223

 4.4337, 0.3858,
0.5603

 87.7519, 0.3504,
0.4136

 1.9190, 0.3811,
0.6189

 113.6551, 0.3476,
0.4064

 0.5598, 0.1410,
0.8590

 144.2117, 0.3452,
0.4003

 0.0000, 0.0000,
0.0000

179.8060, 0.3431,

0.3951

220.8224, 0.3412,
0.3906

■ 22.9845, 0.3666,
0.4627

■ 22.9845, 0.3666,
0.4627

■ 22.6140, 0.3735,
0.4851

■ 23.4044, 0.3580,
0.4381

■ 22.2869, 0.3783,
0.5043

■ 23.8733, 0.3482,
0.4124

■ 22.0006, 0.3807,
0.5195

■ 24.3948, 0.3377,
0.3864

■ 21.7510, 0.3807,
0.5304

■ 24.9712, 0.3269,
0.3609

■ 21.5944, 0.3800,
0.5364

■ 25.6047, 0.3161,
0.3366

■ 26.2972, 0.3057,
0.3137

■ 27.0508, 0.2956,
0.2924

■ 27.8673, 0.2862,
0.2729

■ 28.7484, 0.2774,
0.2551

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.9845, 0.4258, 0.4353



22.9845, 0.3666, 0.4627



22.9845, 0.2965, 0.4448

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.9845, 0.3666, 0.4627



22.9845, 0.1864, 0.2482



22.9845, 0.3901, 0.2812

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.9845, 0.3666, 0.4627



7.4424, 0.2344, 0.1738

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.9845, 0.3157, 0.2419



22.9845, 0.3666, 0.4627



22.9845, 0.2043, 0.2213

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.9845, 0.3666, 0.4627



22.9845, 0.1962, 0.3040



22.9845, 0.2487, 0.2204



22.9845, 0.4443, 0.3317

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.9845, 0.3666, 0.4627



22.9845, 0.2531, 0.4053



22.9845, 0.2487, 0.2204



22.9845, 0.3661, 0.2665

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.9855, 0.3666, 0.4627



44.3804, 0.3303, 0.3688



11.7633, 0.4433, 0.3584



10.1832, 0.3322, 0.3733



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.9855, 0.3666, 0.4627



40.3592, 0.3747, 0.4895



20.8270, 0.3251, 0.4828



5.7879, 0.3225, 0.3508



19.4952, 0.3802, 0.5363



0.1360, 0.3999, 0.5207

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.4424, 0.2344, 0.1738



9.4068, 0.2127, 0.1367



9.5011, 0.2860, 0.1937



4.9442, 0.3024, 0.3067



1.9663, 0.1646, 0.0680



0.0188, 0.2038, 0.0896

Previews

White Background



This preview shows how the Yxy color 22.9845, 0.3666, 0.4627 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.9845, 0.3666, 0.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

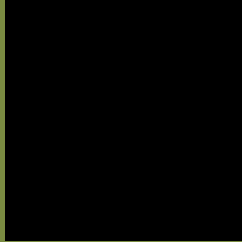
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9845, 0.3666, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 22.9845, 0.3666, 0.4627.



This preview shows how white text looks on a background with the Yxy color 22.9845, 0.3666, 0.4627.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.9845, 0.3666, 0.4627

Protanopia

22.9724, 0.4039, 0.4417

Deuteranopia

22.6740, 0.4234, 0.4155



Tritanopia

22.9810, 0.3023, 0.3117

Trichromacy



Original Color

22.9845, 0.3666, 0.4627

Protanomaly

23.0165, 0.3890, 0.4498

Deuteranomaly

22.5857, 0.4022, 0.4313

Tritanomaly

22.8316, 0.3281, 0.3671

Monochromacy



Original Color

22.9845, 0.3666, 0.4627

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2296, 0.3352, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9845, 0.3666, 0.4627 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(122, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(122, 139, 65)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(122, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 139, 65) }
```

Border

The CSS property to change the border of an element to Yxy 22.9845, 0.3666, 0.4627 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 139, 65) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(122, 139, 65) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(122, 139, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(122, 139,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9845, 0.3666, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 139, 65) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(122,  
139, 65) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor